Author Index

Ahrel-Andersson, M., see Johansson, M.E., 193
Aymard, M., see Fuchs, F., 217

Baginski, I., Chemin, I., Turin, F., Pichoud, C., Trépo, C. and Hantz, O., Direct cloning and expression of PCR amplified DNA and RNA sequences: application to the hepadnaviruses nucleocapsid proteins, 337
Bastmeijer, M., see Berbers, G.A.M., 155
Berbers, G.A.M., Marzec, A.H.J.O., Bastmeijer, M., van Gageldonk, P.G.M. and Plantinga, A.D., Blocking ELISA for detection of mumps virus antibodies in human sera, 155
Berkhout, R.J.M., see Tieben, L.M., 265
Böni, J. and Schüpbach, J., Primer extension analysis provides a sensitive tool for the identification of PCR-amplified DNA from HIV-1, 309
Booth, J.C., see Boriskin, Yu.S., 23
Boriskin, Yu.S., Booth, J.C. and Yamada, A., Rapid detection of mumps virus by the polymerase chain reaction, 23
Bouwes Bavinck, J.N., see Tieben, L.M., 265
Bricout, F., see Garbarg-Chenon, A., 117
Brigido, L., see Gilbert, M., 1

Caparas, M.M., see Roseff, S.D., 137
Carpenter, W.C., see Höfner, M.C., 53
Chang, S.C., see Nadin-Davis, S.A., 323
Chemin, I., see Baginski, I., 337
Cheng, H.-M., Foong, Y.-T., Mathew, A., Sam, C.-K., Dillner, J. and Prasad, U., Screening for nasopharyngeal carcinoma with an ELISA using the Epstein-Barr virus nuclear antigen, EBNA 1: a complementary test to the IgA/VCA immunofluorescence assay, 45
Chen, S.-L., Han, C.-P. and Tsao Y.-P., Construction of site-specific mutants of E5A protein of HPV-11 using the polymerase chain reaction and a single mutant primer, 89
Comerford, J., see Roseff, S.D., 137
Conge, A., see Garbarg-Chenon, A., 117
Courpotin, C., see Garbarg-Chenon, A., 117
Credi, R., see Pollini, C.P., 107

Damková, M., see Reiniš, M., 99
Dawson, W.O., see Turpen, T.H., 227
DeBorde, D.C., see Mitchell, B.M., 181
Defoor, M., see Vandenvelde, C., 251
Dillner, J., see Cheng, H.-M., 45
Di, R., Hill, J.H. and Van Deusen, R.A., Antigenic signature analysis reflects differences among plant virus isolates, 281
Doerr, H.W., see Weber, B., 63
Donaldson, A.I., see Höfner, M.C., 53
Drescher, J. and Verhagen, W., Comparative investigation of the hemagglutinin epitopes of influenza virus A/Brazil/11/78 (H1N1) and its escape variants, 75
Dumon, J., see Vandenvelde, C., 251
Duys, M., see Vandenvelde, C., 251

Ezekowitz, R.A., see Gilbert, M., 1

Färber, I., Wutzler, P., Wohlrabe, P., Wolf, H., Hinderer, W. and Sonneborn, H.-H., Serological diagnosis of infectious mononucleosis using three anti-Epstein-Barr virus recombinant ELISAs, 301
Fevery, J., see Willems, M., 127
Foong, Y.-T., see Cheng, H.-M., 45
Fuchs, F., Leparc, I., Kopecka, H., Garin, D. and Aymard, M., Use of cRNA digoxigenin-labelled probes for detection of enteroviruses in humans and in the environment, 217

Garbarg-Chenon, A., Segondy, M., Conge, A., Huguet, M., Nicolas, J., Grimprel, E., Moniot-Ville, N., Bricout, F., Serre, A., Courpotin, C. and Vendrell, J., Virus isolation, polymerase chain reaction and in vitro antibody production for the diagnosis of pediatric human immunodeficiency virus infection, 117
Garin, D., see Fuchs, F., 217
Garrett, C.T., see Roseff, S.D., 137
Gilbert, M., Brigido, L., Müller, W.E.G., Hansen, J-E., Ezekowitz, R.A. and Mills, J., Screening for inhibitors of HIV gp120-CD4 binding using an enzyme-linked immunoabsorbant assay, 1
Giunchedi, L., see Pollini, C.P., 107
Grimprel, E., see Garbarg-Chenon, A., 117
Gudnadottir, S., see Johansson, M.E., 193

Han, C.-P., see Chen, S.-L., 89
Hansen, J-E., see Gilbert, M., 1
Hantz, O., see Baginski, I., 337
Hill, J.H., see Di, R., 281
Hinderer, W., see Färber, I., 301

Höfner, M.C., Carpenter, W.C. and Donaldson, A.I., Detection of foot-and-mouth disease virus RNA in clinical samples and cell culture isolates by amplification of the capsid coding region, 53
Huguet, M., see Garbarg-Chenon, A., 117
Hunsmann, G., see Lüke, W., 169

Inoue, Y.K., see Nishibe, Y., 345
Ishaq, M. and Stoner, G.L., Tri-primer PCR can distinguish free and cloned viral DNA in a single reaction, 95

Jacobs, R.M., see Nadin-Davis, S.A., 323
Jebbink, M.F., see Tieben, L.M., 265
Johansson, M.E., Ahrel-Andersson, M. and Gudnadottir, S., Molecular epidemiology of adenoviruses isolated in Iceland during 1988–1990, 193
Julen, R., Wiesmann, U.N. and Koblet, H., Chemically induced plasma membrane vesicles as a useful tool for the investigation of virus binding to susceptible cells, 147

Karaca, K., Palukaitis, P. and Naqi, S., Oligonucleotide probes in infectious bronchitis virus diagnosis and strain identification, 293
Keiser, J.F., see Roseff, S.D., 137
Koblet, H., see Julen, R., 147
Kok, T., see Schepetiuk, S.K., 241
Kopecka, H., see Fuchs, F., 217
Korec, E., see Reiniš, M., 99
Ksiazek, T.G., see Logan, T.M., 33
Kumagai, M.H., see Turpen, T.H., 227

Leparc, I., see Fuchs, F., 217
Lesnaw, J.A., see van den Heuvel, J.F.J.M., 207
Linthicum, K.J., see Logan, T.M., 33
Logan, T.M., Linthicum, K.J., Moulton, J.R. and Ksiazek, T.G.,#Antigen-capture enzyme-linked immunosorbent assay for detection and quantification of Crimean-Congo hemorrhagic fever virus in the tick, *Hyalomma truncatum*, 33
Lüke, W., Polzien, F., Scharf, J.-G. and Hunsmann, G., Biochemical and immunological characterization of micellar complexes of the envelope glycoprotein of a simian immunodeficiency virus isolated from an african green monkey, 169

Marzec, A.H.J.O., see Berbers, G.A.M., 155
Mathew, A., see Cheng, H.-M., 45
Mills, J., see Gilbert, M., 1
Minnaar, R.P., see Tieben, L.M., 265
Mitchell, B.M. and DeBorde, D.C., A procedure for the isolation of specific point mutants of influenza virus, 181
Moniot-Ville, N., see Garbarg-Chenon, A., 117
Moshage, H., see Willems, M., 127
Moulton, J.R., see Logan, T.M., 33
Müller, W.E.G., see Gilbert, M., 1

Nadin-Davis, S.A., Chang, S.C., Smith, H. and Jacobs, R.M., Detection of bovine immunodeficiency-like virus by the polymerase chain reaction, 323
Naqi, S., see Karaca, K., 293
Nevens, F., see Willems, M., 127
Nicolas, J., see Garbarg-Chenon, A., 117
Nishibe, Y. and Inoue, Y.K., Reappraisal of modified neutralization test for Inoue-Melnick virus, 345

Palukaitis, P., see Karaca, K., 293
Pichoud, C., see Baginski, I., 337
Pirone, T.P., see van den Heuvel, J.F.J.M., 207
Plantinga, A.D., see Berbers, G.A.M., 155
Pollini, C.P., Giunchedi, L. and Credi, R., A chemiluminescent immunoassay for the diagnosis of grapevine closteroviruses on nitrocellulose membrane, 107
Polzien, F., see Lüke, W., 169
Prasad, U., see Cheng, H.-M., 45

Reddy, S.K., Sy, D. and Silim, A., Radioimmunoprecipitation of avian reovirus polypeptides using virus-specific IgM and IgG murine monoclonal and chicken polyclonal antibodies, 13
Reiniš, M., Damková, M. and Korec, E., Receptor-mediated transport of oligodeoxynucleotides into hepatic cells, 99
Rockis, M., see Roseff, S.D., 137
Roseff, S.D., Rockis, M., Keiser, J.F., Caparas, M.M., Comerford, J., Sandin, R.L. and Garrett, C.T., Optimization for detection of cytomegalovirus by the polymerase chain reaction (PCR) in clinical samples, 137

Sam, C.-K., see Cheng, H.-M., 45
Sandin, R.L., see Roseff, S.D., 137
Scharf, J.G., see Lüke, W., 169
Scheen, R., see Vandenvelde, C., 251
Schepetiuk, S.K. and Kok, T., The use of MDCK, MEK and LLC-MK2 cell lines with enzyme immunoassay for the isolation of influenza and parainfluenza viruses from clinical specimens, 241
Schüpbach, J., see Böni, J., 309
Segondy, M., see Garbarg-Chenon, A., 117
Serre, A., see Garbarg-Chenon, A., 117
Silim, A., see Reddy, S.K., 13
Smith, H., see Nadin-Davis, S.A., 323

Smits, H.L., see Tieben, L.M., 265
Sonneborn, H.H., see Färber, I., 301
Stoner, G.L., see Ishaq, M., 95
Sy, D., see Reddy, S.K., 13

ter Schegget, J., see Tieben, L.M., 265
Thornbury, D.W., see van den Heuvel, J.F.J.M., 207
Tieben, L.M., ter Schegget, J., Minnaar, R.P., Bouwes Bavinck, J.N., Berkhout, R.J.M., Vermeer, B.J., Jebbink, M.F. and Smits, H.L., Detection of cutaneous and genital HPV types in clinical samples by PCR using consensus primers, 265
Trépo, C., see Baginski, I., 337
Tsao, Y.-P., see Chen, S.-L., 89
Turin, F., see Baginski, I., 337
Turpen, A.M., see Turpen, T.H., 227
Turpen, T.H., Turpen, A.M., Weinzettl, N., Kumagai, M.H. and Dawson, W.O., Transfection of whole plants from wounds inoculated with *Agrobacterium tumefaciens* containing cDNA of tobacco mosaic virus, 227

Van Beers, D., see Vandenvelde, C., 251
van den Heuvel, J.F.J.M., Thornbury, D.W., Pirone, T.P. and Lesnaw, J.A., A simple and efficient procedure for the oral inoculation of *Trichoplusia ni* larvae with polyhedrin-negative recombinant baculovirus, 207
Vandenvelde, C., Scheen, R., Defoor, M., Duys, M., Dumon, J. and Van Beers, D., Suppression of the inhibitory effect of denatured albumin on the polymerase chain reaction by sodium octanoate: application to routine clinical detection of hepatitis B virus at its infectivity threshold in serum, 251
Van Deusen, R.A., see Di, R., 281
van Gageldonk, P.G.M., see Berbers, G.A.M., 155
Vendrell, J., see Garbarg-Chenon, A., 117
Verhagen, W., see Drescher, J., 75
Vermeer, B.J., see Tieben, L.M., 265

Weber, B. and Doerr, H.W., Evaluation of the automated VIDAS system for the detection of anti-HIV-1 and anti-HIV-2 antibodies, 63
Weinzettl, N., see Turpen, T.H., 227
Wiesmann, U.N., see Julen, R., 147
Willems, M., Moshage, H., Nevens, F., Fevery, J. and Yap, S.H., Plasma collected from heparinized blood is not suitable for HCV-RNA detection by conventional RT-PCR assay, 127
Wohlrabe, P., see Färber, I., 301
Wolf, H., see Färber, I., 301
Wutzler, P., see Färber, I., 301

Yamada, A., see Boriskin, Yu.S., 23
Yap, S.H., see Willems, M., 127

Subject Index

Adenovirus, (Iceland), DNA variant, Genetic variability, Restriction endonuclease, 193
Agroinfection, Agroinfection, Plus-sense RNA virus, 227
Agroinoculation, Agroinfection, Plus-sense RNA virus, 227
Asialoglycoprotein, PLC/PRF/5 cell, Chloroquine, Hepatitis B virus, 99
Autographa californica nuclear polyhedrosis virus, β-Galactosidase, Per os inoculation, Polyhedrin-negative baculoviruses, Protein expression, *Trichoplusia ni*, 207
Avian reovirus polypeptides, Improved radioimmunoprecipitation assay, Monoclonal low-avidity IgM and IgG antibody, Chicken immunoglobulin, 13

β-Galactosidase, *Autographa californica* nuclear polyhedrosis virus, Per os inoculation, Polyhedrin-negative baculoviruses, Protein expression, *Trichoplusia ni*, 207
Blocking ELISA, Mumps virus, Monoclonal antibody, Human serum, 155
Bovine, Lentivirus, Polymerase chain reaction, 323

Caprylic acid, Fast PCR, HBV, 251
CD4, HIV, p120, Lectin, 1
Chicken, IBV strain M41, IBV strain Conn46, Monoclonal antibody, 293
Chicken immunoglobulin, Avian reovirus polypeptides, Improved radioimmunoprecipitation assay, Monoclonal low-avidity IgM and IgG antibody, 13
Chloroquine, Oligodeoxynucleotide, PLC/PRF/5 cell, Hepatitis B virus, Asialoglycoprotein, 99
Comovirus, Diagnosis, 281
Consensus primer, Human papillomavirus, 265
Contamination, JC virus, pBR322, Viral DNA, 95
Cowpea severe mosaic virus, Comovirus, Diagnosis, 281
Crimean-Congo hemorrhagic fever virus, Detection, ELISA, Plaque-assay, Tick, 33
cRNA probe, Enterovirus, Molecular hybridization, 217
Culture amplified EIA, Influenza parainfluenza isolation, 241
Cytomegalovirus (CMV), Polymerase chain reaction (PCR), Shell vial assay (SVA), 137

Detection, Crimean-Congo hemorrhagic fever virus, ELISA, Plaque-assay, Tick, 33
Diagnosis, Cowpea severe mosaic virus, 281
DNA quantitation, Primer extension analysis, Identification of DNA, Human immunodeficiency virus, 309
DNA variant, Adenovirus, (Iceland), Genetic variability, Restriction endonuclease, 193
Dot-immunobinding assay, Enhanced chemiluminescence, Luminol, Peroxidase substrate, Grapevine closteroviruses I and III, 107

E5a protein, Human papillomavirus, Polymerase chain reaction, Mutant primer, 89
EBNA 1, Peptide, Nasopharyngeal carcinoma, 45
ELISA, Detection, Crimean-Congo hemorrhagic fever virus, Plaque-assay, Tick, 33
ELISA system, Infectious mononucleosis, Serological diagnosis, 301
Enhanced chemiluminescence, Luminol, Peroxidase substrate, Dot-immunobinding assay, Grapevine closteroviruses I and III, 107
Enterovirus, cRNA probe, Molecular hybridization, 217
Enzyme immunoassay, HIV 1+2 antibody testing, Western blot, WHO- and CDC-criteria, 63
Epstein-Barr virus, Infectious mononucleosis, ELISA system, 301
External glycoproteins, SIVagmTYO-7, gp130 micelles, 169

Fast PCR, Octanoic acid, Caprylic acid, HBV, 251
Foot-and-mouth disease virus, PCR, 53

Genetic variability, Adenovirus, (Iceland), DNA variant, Restriction endonuclease, 193
gp130 micelles, SIVagmTYO-7, External glycoproteins, 169
Grapevine closteroviruses I and III, Luminol, Peroxidase substrate, Dot-immunobinding assay, 107

HBV, Fast PCR, Octanoic acid, 251
HCV-RNA, Polymerase chain reaction, Heparin, Hepatitis C, 127
Hepadenavirus, Nucleocapsid protein, 337
Heparin, HCV-RNA, Polymerase chain reaction, Hepatitis C, 127
Hepatitis B virus, Oligodeoxynucleotide, PLC/

PRF/5 cell, Chloroquine, Asialoglycoprotein, 99
Hepatitis C, HCV-RNA, Polymerase chain reaction, Heparin, 127
Herpesvirus, IMV, SMON virus, NT test, 345
HIV, p120, CD4, Lectin, 1
HIV, Polymerase chain reaction, HIV isolation, In vitro antibody production, HIV pediatric diagnosis, 117
HIV 1+2 antibody testing, Enzyme immunoassay, Western blot, WHO- and CDC-criteria, 63
HIV isolation, HIV, Polymerase chain reaction, In vitro antibody production, HIV pediatric diagnosis, 117
HIV pediatric diagnosis, Polymerase chain reaction, HIV isolation, In vitro antibody production, 117
Human immunodeficiency virus, Primer extension analysis, Identification of DNA, Polymerase chain reaction, 309
Human papillomavirus, E5a protein, Polymerase chain reaction, Mutant primer, 89
Human papillomavirus, Human papillomavirus, Polymerase chain reaction, Consensus primer, 265
Human serum, Mumps virus, Blocking ELISA, Monoclonal antibody, 155
Hybridization, Influenza type B virus, Oligodeoxynucleotide probe, Point mutant, 181

IBV strain Conn46, Monoclonal antibody, Nucleic acid probe, Chicken, 293
IBV strain M41, IBV strain Conn46, Monoclonal antibody, Nucleic acid probe, Chicken, 293
(Iceland), Adenovirus, DNA variant, Genetic variability, Restriction endonuclease, 193
Identification of DNA, Polymerase chain reaction, DNA quantitation, Human immunodeficiency virus, 309
Improved radioimmunoprecipitation assay, Avian reovirus polypeptides, Monoclonal low-avidity IgM and IgG antibody, Chicken immunoglobulin, 13
IMV, Herpesvirus, SMON virus, NT test, 345
Infectious mononucleosis, Serological diagnosis, Epstein-Barr virus, ELISA system, 301
Influenza parainfluenza isolation, Culture amplified EIA, 241
Influenza type B virus, Oligodeoxynucleotide probe, Hybridization, Point mutant, 181
In vitro antibody production, HIV, Polymerase chain reaction, HIV isolation, HIV pediatric diagnosis, 117

JC virus, Polymerase chain reaction, pBR322, Viral DNA, Contamination, 95

Lectin, HIV, p120, CD4, 1
Lentivirus, Polymerase chain reaction, 323
Luminol, Enhanced chemiluminescence, Peroxidase substrate, Dot-immunobinding assay, Grapevine closteroviruses I and III, 107

Molecular hybridization, Enterovirus, cRNA probe, 217
Monoclonal antibody, Mumps virus, Blocking ELISA, Human serum, 155
Monoclonal antibody, IBV strain M41, Nucleic acid probe, Chicken, 293
Monoclonal low-avidity IgM and IgG antibody, Avian reovirus polypeptides, Improved radioimmunoprecipitation assay, Chicken immunoglobulin, 13
Mumps virus, Blocking ELISA, Monoclonal antibody, Human serum, 155
Mutant primer, Human papillomavirus, E5a protein, Polymerase chain reaction, 89

Nasopharyngeal carcinoma, EBNA 1, Peptide, 45
NT test, Herpesvirus, IMV, SMON virus, 345
Nucleic acid probe, IBV strain M41, IBV strain Conn46, Chicken, 293
Nucleocapsid protein, PCR, 337

Octanoic acid, Caprylic acid, HBV, 251
Oligodeoxynucleotide, PLC/PRF/5 cell, Chloroquine, Hepatitis B virus, Asialoglycoprotein, 99
Oligodeoxynucleotide probe, Influenza type B virus, Hybridization, Point mutant, 181

p120, HIV, CD4, Lectin, 1
Paramyxovirus, RNA-PCR, Rapid diagnosis, 23
pBR322, Polymerase chain reaction, JC virus, Viral DNA, Contamination, 95
PCR, Foot-and-mouth disease virus, 53
PCR, Hepadenavirus, Nucleocapsid protein, 337
Peptide, EBNA 1, Nasopharyngeal carcinoma, 45
Per os inoculation, *Autographa californica* nuclear polyhedrosis virus, β-Galactosidase, Polyhedrin-negative baculoviruses, Protein expression, *Trichoplusia ni*, 207
Peroxidase substrate, Enhanced chemiluminescence, Luminol, Dot-immunobinding assay, Grapevine closteroviruses I and III, 107
Plaque-assay, Detection, Crimean-Congo hemorrhagic fever virus, ELISA, Tick, 33
Plasma membrane, Semliki Forest virus, Plasma membrane vesicle, Viral binding, 147
Plasma membrane vesicle, Semliki Forest virus, Viral binding, Plasma membrane, 147
PLC/PRF/5 cell, Oligodeoxynucleotide, Chloroquine, Hepatitis B virus, Asialoglycoprotein, 99

Plus-sense RNA virus, Agroinoculation, Agroinfection, 227
Point mutant, Influenza type B virus, Oligodeoxynucleotide probe, Hybridization, 181
Polyhedrin-negative baculoviruses, *Autographa californica* nuclear polyhedrosis virus, β-Galactosidase, Per os inoculation, Protein expression, *Trichoplusia ni*, 207
Polymerase chain reaction, Mutant primer, Human papillomavirus, E5a protein, 89
Polymerase chain reaction, JC virus, pBR322, Viral DNA, Contamination, 95
Polymerase chain reaction, HIV, HIV isolation, In vitro antibody production, HIV pediatric diagnosis, 117
Polymerase chain reaction, HCV-RNA, Heparin, Hepatitis C, 127
Polymerase chain reaction, Consensus primer, 265
Polymerase chain reaction, Primer extension analysis, DNA quantitation, Human immunodeficiency virus, 309
Polymerase chain reaction, Bovine, 323
Polymerase chain reaction (PCR), Shell vial assay (SVA), Cytomegalovirus (CMV), 137
Primer extension analysis, Identification of DNA, Polymerase chain reaction, DNA quantitation, Human immunodeficiency virus, 309
Protein expression, *Autographa californica* nuclear polyhedrosis virus, β-Galactosidase, Per os inoculation, Polyhedrin-negative baculoviruses, *Trichoplusia ni*, 207
Rapid diagnosis, Paramyxovirus, RNA-PCR, 23
Restriction endonuclease, Adenovirus, (Iceland), DNA variant, Genetic variability, 193
RNA-PCR, Paramyxovirus, Rapid diagnosis, 23

Semliki Forest virus, Plasma membrane vesicle, Viral binding, Plasma membrane, 147
Serological diagnosis, Epstein-Barr virus, ELISA system, 301
Shell vial assay (SVA), Polymerase chain reaction (PCR), Cytomegalovirus (CMV), 137
SIVagmTYO-7, External glycoproteins, gp130 micelles, 169
SMON virus, Herpesvirus, IMV, NT test, 345

Tick, Crimean-Congo hemorrhagic fever virus, ELISA, Plaque-assay, 33
Trichoplusia ni, *Autographa californica* nuclear polyhedrosis virus, β-Galactosidase, Per os inoculation, Polyhedrin-negative baculoviruses, Protein expression, 207

Viral binding, Semliki Forest virus, Plasma membrane vesicle, Plasma membrane, 147
Viral DNA, Polymerase chain reaction, JC virus, pBR322, Contamination, 95

Western blot, HIV 1+2 antibody testing, Enzyme immunoassay, WHO- and CDC-criteria, 63
WHO- and CDC-criteria, HIV 1+2 antibody testing, Enzyme immunoassay, Western blot, 63